

## ASSIGNMENT 2

Textbook Assignment: "Torpedo Maintenance Program (General) and Mk 46 Mod 5 Torpedo Maintenance," chapter 2, pages 2-1 through 2-50.

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2-1. Torpedo maintenance consists of which of the following levels of maintenance?

1. Organizational
  2. Intermediate
  3. Depot
  4. All of the above
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IN ANSWERING QUESTIONS 2-2 THROUGH 2-5, SELECT FROM COLUMN B THE TYPE OF MAINTENANCE YOU WOULD BE PERFORMING DURING THE FUNCTIONS LISTED IN COLUMN A. ALL RESPONSES IN COLUMN B ARE NOT USED.

A. <u>FUNCTIONS</u>	B. <u>TYPES OF MAINTENANCE</u>
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- |   |                               |
|---|-------------------------------|
| 2-2. Functional tests                     | 1. Preoperational Maintenance |
| 2-3. Removal of ordnance safety devices   | 2. Preoperational Maintenance |
| 2-4. Electrical continuity tests          | 3. Organizational Maintenance |
| 2-5. Servicing and preventive maintenance | 4. Operational Maintenance    |
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2-6. If a torpedo fails prelaunch checks, it must be returned to which of the following activities?

1. Intermediate
2. Depot
3. Organizational
4. Divisional

IN ANSWERING QUESTIONS 2-7 THROUGH 2-10, USE TABLE 2-1 OF THE TEXT AND THE FOLLOWING CHOICES:

- A. Organizational
- B. Intermediate
- C. Depot Level

2-7. Storage and handling of torpedoes are accomplished at what level of maintenance?

1. A
2. B
3. C

2-8. On workshop test and handling equipment, repair of components and circuit cards are accomplished at what maintenance level?

1. A
2. B
3. C

2-9. Insertion of S&A devices and exploders on warheads are accomplished at what maintenance level?

1. A
2. B
3. C

2-10. Factory type repair services on torpedoes are accomplished at what maintenance level?

1. A
2. B
3. C

- 2-11. Intermediate level maintenance will include which of the following procedures?
1. Complete system tests
  2. Inspections
  3. Test of individual major assemblies
  4. All of the above
- 2-12. When it is technically achievable and acceptable economically, a maximum of 90 days of depot level turnaround time is planned for each torpedo item.
1. True
  2. False
- 2-13. During the torpedo maintenance cycle, once the individual torpedo groups are assembled and placed in an RFI status, which of the following things should be done?
1. They are stored
  2. They are loaded out or placed in a torpedo stockpile
  3. They are shipped to another activity
  4. They are stored for 90 days and then disassembled
- 2-14. If a torpedo is not fired within a specified period of time, measured from the preceding turnaround, what required action should you perform?
1. Return it to the intermediate level for verification
  2. Extend the specified date
  3. Keep it in stockpile
  4. Establish a maintenance cycle
- 2-15. A torpedo that has been fired in the exercise configuration and then recovered should be handled in which of the following ways?
1. Returned to the NAVSTA for destruction
  2. Returned to the contractor for refurbishment
  3. Returned to a intermediate maintenance activity for turnaround maintenance
  4. Stored in a stockpile
- 2-16. If a torpedo is lost and cannot be retrieved, which of the following steps should you take?
1. Notify depot maintenance
  2. Report the loss to the appropriate authorities
  3. Destroy the record book
  4. Order a new one from supply
- 2-17. A warshot torpedo maintenance cycle consists of which of the following evolutions?
1. Complete system tests
  2. Replacement of defective FIRs
  3. Replacement of defective spares
  4. All the above
- 2-18. Which of the following information is NOT provided by the Maintenance Activity Data Management Reports?
1. Torpedo maintenance
  2. ORDALTs
  3. Logistics and configurations
  4. Stockpiling statistics
- 2-19. NAVSEA Instruction 9512.3 provides the procedures for reporting/using torpedo maintenance, modification, repair and configuration data for the organizational, intermediate, and depot maintenance levels.
1. True
  2. False
- 2-20. You should record all torpedo maintenance actions using which of the following forms?
1. NAVSEA 4980.6
  2. 3-M 63248-K
  3. QA/ST
  4. RUDTORPE

- 2-21. The QA/ST may be used in place of detailed maintenance procedures under which of the following circumstances, if ever?
1. When the commanding officer is thoroughly familiar with all detailed maintenance procedures in the text
  2. When it provides a checklist for the quality assurance inspector
  3. When dictated by workload
  4. When written permission is given from squadron

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IN ANSWERING QUESTIONS 2-22 THROUGH 2-24, CHOOSE THE SYMBOL OR LETTER GIVEN IN COLUMN B THAT WOULD REQUIRE THE ACTION GIVEN IN COLUMN A. ALL RESPONSES IN COLUMN B ARE NOT USED.

A. <u>ACTIONS</u>	B. <u>SYMBOLS/ LETTERS</u>
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- |  |                 |
|--|-----------------|
| 2-22. Maintenance complete                       | 1. I<br>2. ✓    |
| 2-23. QA inspector must witness entire procedure | 3. W<br>4. STOP |
| 2-24. QA inspector must make a visual check      |                 |
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- 2-25. Maintenance requirements at the organizational level include which of the following procedures?
1. Preparation of NON-RFI torpedoes for issue, stowage, and shipment
  2. Preventive maintenance for torpedoes in stowage
  3. Recharging procedures
  4. Systems tests

- 2-26. Your preparation of RPI torpedoes consists of unpacking, de-preservation, and corrosion prevention.

1. True
2. False

- 2-27. Patrol maintenance consists of all the following procedures EXCEPT which one?

1. Installation of the launch procedures for configuration required
2. Maintenance required after a torpedo has been issued to a firing ship for deployment
3. Maintenance performed by firing ship personnel
4. Maintenance performed in accordance with PMS MRCs

- 2-28. Torpedoes stowed in torpedo tubes must have maintenance performed as required at what intervals?

1. Every 2 years
2. Daily, weekly, or monthly
3. Once a quarter
4. Prior to firing

- 2-29. Postrun procedures can be accomplished by which of the following personnel?

1. Shipboard personnel
2. Leading chief
3. Anyone in the weapons department
4. Qualified TMs

- 2-30. Preservation treatment includes which of the following steps?

1. Never venting the torpedo
2. Removal of the propeller baffles
3. Waxing of the torpedo
4. Exploder discharging

- 2-31. You must observe which of the following precautions during postrun treatment of a torpedo?
1. Do not allow the transducer face to strike any solid object during handling operations
  2. Ensure the safe removal of the propeller guard before treatment
  3. Vent the fuel tank in an enclosed area
  4. The torpedo must be handled by a control surface
- 2-32. After postrun preservation treatment, you may keep a torpedo on board for a total of what number of hours?
1. 108
  2. 96
  3. 72
  4. 84
- 2-33. At IMAs, which of the following actions is/are required to be reported on a Torpedo Maintenance Data Form?
1. Maintenance
  2. ORDALT change
  3. RUDTORPE
  4. All the above
- 2-34. If a torpedo is damaged during recovery or onboard the recovery ship, you should take which of the following actions?
1. Complete a Torpedo Maintenance Data Form (NAVSEA 8510/5) explaining details
  2. Notify the QA inspector
  3. File a NAVSEA 8513 report
  4. Make appropriate MRC entries
- 2-35. Reporting an unsatisfactory or defective torpedo should be completed within what total number of days after the ship returns to port?
1. 10
  2. 12
  3. 3
  4. 5
- 2-36. Reporting torpedo status is NOT required for which of the following actions?
1. An unsatisfactory condition for associated equipment
  2. Where no corrective maintenance or deficiencies are involved
  3. A combination of ORDALT/RUDTORPE changes
  4. A deficient torpedo is discovered
- 2-37. Following the submission of a Torpedo Maintenance Data report, you discover that it requires an update, which of the following actions should you take?
1. Submit a new report and use a new document number
  2. Submit a new report and use the same document number
  3. File an ORDALT change
  4. Update quarterly
- 2-38. You may submit a RUDTORPE to informally communicate with the cognizant support group concerning recommendations for improvements.
1. True
  2. False

IN ANSWERING QUESTIONS 2-39 THROUGH 2-42, SELECT FROM COLUMN B THE TYPE OF REPORT THAT WOULD BE REQUIRED FOR THE ACTION LISTED IN COLUMN A. RESPONSES MAY BE USED MORE THAN ONCE.

A. <u>ACTIONS</u>	B. <u>REPORTS</u>
2-39. An informal communication link between IMAs and cognizant support groups	1. Combination 2. RUDTORPE 3. ORDALT/change
2-40. When an IMA completes a modification on a torpedo	
2-41. Highlight supply support problems	
2-42. Equipment requires a deficiency report and a RUDTORPE	
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2-43. The Mk 46 Torpedo Rapid Feedback System eliminates the requirements for reporting Mk 46 torpedo firings via the Firing Report Form 8510/9.	
	1. True 2. False
2-44. Defective components that are repairable are sent to which of the following facilities for maintenance?	
	1. IMA 2. Depot 3. TYCOM 4. Organizational
2-45. Before you remove any part of an assembled torpedo, which of the following components must be vented?	
	1. Fuel tank 2. Afterbody exercise head 3. Warhead section 4. All the above

- 2-46. To protect the transducer diaphragm from damage, which of the following actions should you take?
1. Keep it well oiled
  2. Paint it
  3. Install a protective covering
  4. Store it in a container
- 2-47. If a Mk 103 warhead is dropped, you must file what type of report?
1. ORDALT/change
  2. Explosive Incident Report
  3. RUDTROPE
  4. TMDR
- 2-48. On an exploder safe-armed indicator, the letter A indicates
1. the exploder is considered armed and dangerous
  2. the exploder is safe
  3. the exploder is due for a PMS check
  4. only certain personnel will be allowed to handle it
- 2-49. When adjusting the cam bushings, it is important to ensure that the friction shoes do not grip more than necessary for which of the following reasons?
1. Because it could deform the torpedo
  2. Because it could cause binding
  3. Because it could make future separation more difficult
  4. All the above
- 2-50. What is the MINIMUM number of qualified people required to defuel a torpedo?
1. 12
  2. 2
  3. 7
  4. 10

2-51. Before performing operations involving Otto Fuel II, which of the following items must be inspected?

1. Water supply and safety showers
2. Eyewash fountain
3. Emergency breathing air
4. All of the above

2-52. If a person has been overexposed to Otto Fuel II, which of the following precautions should you take?

1. Remove that person from the contaminated area
2. Induce vomiting if the person is unconscious
3. Clean the skin with a solvent
4. Expose the person to smelling salts

2-53. A functional test is required for exercise heads that have been stored for what period of time?

1. 120 days
2. 75 days
3. 60 days
4. 365 days

2-54. The control group assembly consists of which of the following components?

1. Fuel tank
2. Alternator
3. Course gyroscope
4. Chamber and valve assembly

IN ANSWERING QUESTIONS 2-55 THROUGH 2-58, SELECT FROM COLUMN B THE TYPE OF MAINTENANCE YOU WOULD BE PERFORMING WHILE CARRYING OUT THE ACTIONS IN COLUMN A. ALL RESPONSES ARE NOT BE USED.

	A. <u>ACTIONS</u>	B. <u>TYPES OF MAINTENANCE</u>
2-55.	Remove the cable assembly and discard the packing	1. Tenth Turnaround 2. Postrun
2-56.	Clean and inspect the fuel tank for damaged or nicked packing	3. Prepatrol Turnaround
2-57.	Place a new disk in the recess of the fuel interlock valve support	
2-58.	Remove tube assembly, and discard all packing and fuel tank nut setscrew	
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2-59.	Class B maintenance is performed at what intervals?	1. Every year 2. Every 2 years 3. Every 6 years 4. Once a quarter
2-60.	Class B maintenance includes which of the following checks?	1. A partial breakdown of a reissued torpedo propulsion system 2. A complete breakdown of a fuel tank 3. A partial system function test 4. A complete steering test
2-61.	Procedures to the nose section for Class B maintenance are the same as those for postrun turnaround maintenance requirements.	1. True 2. False

2-62. The only type of maintenance that is required for the warhead is which of the following types?

1. Tenth turnaround
2. Postrun turnaround
3. Class B
4. Class A

2-63. The warhead must be handled strictly in accordance with which of the following instructions?

1. NAVSEA OP 4
2. NAVSEA OP 5
3. 3-M Manual
4. NAVSEA Instruction 5510

IN ANSWERING QUESTIONS 2-64 THROUGH 2-68, REFER TO TABLE 2-4 OF THE TEXT.

2-64. Which of the following corrective actions should you take if the torpedo is flooded?

1. Remove damaged or leaky seals and install new ones
2. Perform afterbody turnaround
3. Install a new transducer
4. Remove damaged launch accessories and install new parts

2-65. Which of the following actions should you take if the fins are damaged?

1. Remove afterbody major assemblies
2. Remove all damaged parts and install new ones
3. Reassembly afterbody and perform electrical test
4. All the above

2-66. If the nose section diaphragm is damaged, what should you do?

1. Return it to IMA for repairs
2. Install a new transducer
3. Perform afterbody turnaround
4. Request IMA permission to repair